



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

646.3712

Job Sheet 200990



Part No: 646.3712

Job Qty: 20 pcs

Part Name: Clip



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/20/19

Job Tracking No:

Due Date: 10/21/19

Created By: Jennifer Renwick

Type: Stock

Description:

Note: DWG REV A IPP REV:A 12.11.23 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Waterjet - Flow - 1	20 pcs		10/21/19	0.17	0.54	Waterjet - Flow	6/3/19	JRB
120	QC 2	20 pcs		10/21/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		



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130 QC 8	20 pcs	10/21/19	0.00 0.00	QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	JRB 10/3/19
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
140 Small Fab - Brake NC - B4B	20 pcs	10/21/19	0.25 0.86	QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	DAS OCT 11 2019 4:08-89
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
				Small Fab - Brake - 1 - B4B	DAS 30 9-89 OCT 11 2019
				Small Fab - Brake - 2 - B4B	
150 QC 5	20 pcs	10/21/19	0.00 0.00	Small Fab - Brake - 3 - B4B	
				QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	

			QC 5 - 9			
			QC 5 - 50			
			QC 5 - 30			
			QC 5 - 40		OCT 11 2019 10	
			QC 5 - 61		89	
			QC 5 - 81			
155	Handfinish - 4-1-Assembly-B4B	20 pcs	10/21/19	0.00 0.59	Handfinish - 4 - 1 - B4B	OCT 11 2019
					Handfinish - 4 - 10 - B4B	
					Handfinish - 4 - 11 - B4B	
					Handfinish - 4 - 12 - B4B	
					Handfinish - 4 - 13 - B4B	
					Handfinish - 4 - 14 - B4B	
					Handfinish - 4 - 15 - B4B	
					Handfinish - 4 - 2 - B4B	
					Handfinish - 4 - 3 - B4B	
					Handfinish - 4 - 4 - B4B	
					Handfinish - 4 - 5 - B4B	
					Handfinish - 4 - 6 - B4B	
					Handfinish - 4 - 7 - B4B	
					Handfinish - 4 - 8 - B4B	
					Handfinish - 4 - 9 - B4B	
160	Outsource - 4 - Anodize	20 pcs	10/21/19		ATG001-VC	5
170	Packaging 2-1 - Receive - B4B	20 pcs	10/21/19	0.00 0.00	Packaging 2 - 1 - B4B	
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	NOV 05 2019
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Plex 9/20/19 10:04 AM Dart.Renwick.Jennifer	

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					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
180 QC 6	20 pcs	10/21/19	0.00 0.00		QC 6 - 9	DAS
					QC 6 - 68	JAN 03 2020 68
					QC 6 - 61	9-89
					QC 6 - 40	
					QC 6 - 81	
210 Packaging 3-1 - Stock - B4B	20 25 pcs	10/21/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	DAS
					Packaging 3 - 4 - B4B	80
					Packaging 3 - 5 - B4B	JAN 03 2020
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
220 QC 21 - SA	20 25 pcs	10/21/19	0.00 0.00		QC 21 - SA - 21	DAS
					QC 21 - SA - 70	JAN 03 2020 70
					QC 21 - SA - 53	9-89
Part Op 110 - 1-Cut 646.3711 as per Dwg Descriptions: 120 - 1 (QC2- Inspect parts off machine FAI/FAIB) 130 - (QC8- Inspect parts - second check)						

- 140 - (Form as per dwg)
 150 - (QC5- Inspect part completeness to step on W/O)
 155 - (Assemble as per dwg) CLEAN AND REMOVE ALL MARKINGS
 160 - Issue P/O to ATG : POH.844771 Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A
 170 - (Receive & Inspect for Damage & Mat'l Certs)
 180 - (QC6- All purchased or subcontracted products)
 210 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***
 220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6S.063	6061-T6 .063 Sheet	.7200 sf (.036 ea)	110-Waterjet - Flow - 1	<u>5170525</u>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Waterjet - Flow - 1	M6061T6S.063	1	368	0

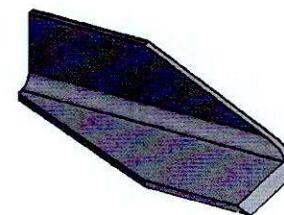
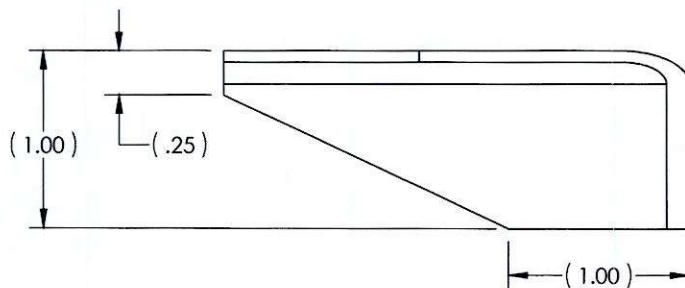
Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Clip	1Inches $\pm$ 0	1 1		
2	Clip	2Inches $\pm$ 0	2 2		
3	Clip	3Inches $\pm$ 0	3 3		
4	Clip	0Inches $\pm$ 0	0 0		

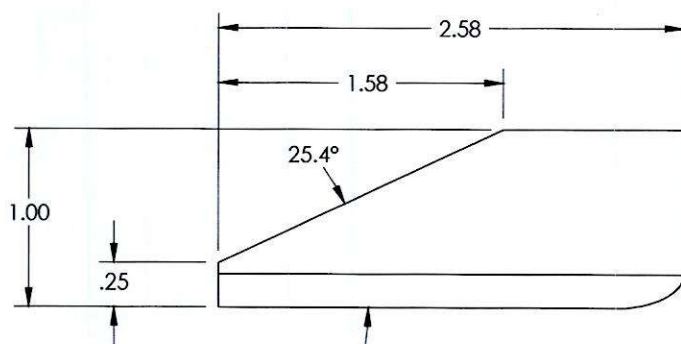
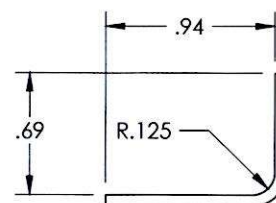
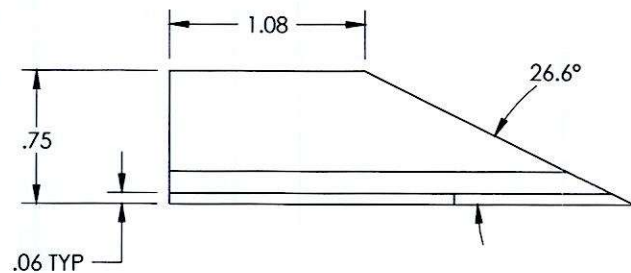
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



646.3711 SHOWN
646.3712 OPPOSITE



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO.

NEXT ASSY (S)	ORIGINAL DATE (DAY-MO-YR)	08-18-08	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
	DRAWN BY P. BRAVO	CHECKED J. JOSEPH		
	DRAWING APPROVAL T. JOSEPH	DATE 08-18-08	SHEETMETAL	
	CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			SIZE B	CAGE CODE 07M26
			DWG. NO. 646.3700	REV. A
			SCALE: NONE	SHEET 3 OF 9

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

INSPECTION SHEET

Rev	Date	Change	Revised by	Approved
B	14.07.31	New Issue	KJ	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200

PURCHASE ORDER

POHB044771



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON

K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044771

PO Date: 10/15/19

Due Date: 10/29/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact:

Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

Items												
Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	200356	646/2910	646.2900 Rev N/C	Deflector : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C	Firmed -		10/29/19	12 pcs	0 pcs	12 pcs	\$48.74/pcs	\$584.88
2	201250	D4703-043	D4703 Rev B	Lock Pin Base : Various STC's Issue P/O to ATG: -HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2 -As Per Dwg D4703 -Material type: 6061T6 -Certificate of Conformity is required	Firmed -		10/29/19	10 pcs	0 pcs	10 pcs	\$3.44/pcs	\$34.40
NOV 05 2019												
X/O												
D												

NOV 05 2019

X/O

DP



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044771



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	198841	D4842-4	D4842 Rev B	Lower Cutter Body, RH Issue P/O : AS PER DWG D4842 HARD ANODIZE IAW MIL-A- 8625 TYPE III, CLASS 2, COLOR BLACK, PRIME IAW MIL-P- 23377 J TYPE I CLASS N; 1-2 MIL MAX, AS PER QSI 005; C OF C IS REQUIRED	Firmed -		10/29/19	16 pcs	0 pcs	16 pcs	\$10.99/pcs	\$175.84
									NOV 05 2019			
4	198840	D4842-3	D4842 RevB	Lower Cutter Body, LH Issue P/O : AS PER DWG D4842 HARD ANODIZE IAW MIL-A- 8625 TYPE III, CLASS 2, COLOR BLACK, PRIME IAW MIL-P- 23377 J TYPE I CLASS N; 1-2 MIL MAX, AS PER QSI 005; C OF C IS REQUIRED	Firmed -		10/29/19	16 pcs	0 pcs	16 pcs	\$10.99/pcs	\$175.84
									NOV 05 2019			
5	200585	646.3210	646.3200 Rev NC	Support : Various STC's Issue P/O to ATG : 1- Hard Anodize Color Black and Prime as per Dwg 646.3200	Firmed -		10/29/19	20 pcs	0 pcs	20 pcs	\$15.09/pcs	\$301.80
									NOV 05 2019			
6	197033	649.4813	649.4800 Rev E	Shim : Various STC's Outsource4 (Outsource process-Anodize per QSI017 4.1.10.1)ISSUE P/O: As Per MPP-172 Section 2.1, Hard Anodize IAW MIL-A- 8625, Type III, Class 2, Color Black As Per MPP-172 Section 4.2 Prime IAW MIL-P- 23377J Type1 Class N	Firmed -		10/29/19	26 pcs	0 pcs	26 pcs	\$6.99/pcs	\$181.74
									NOV 05 2019			
7	200990	646.3712	646.3700 Rev A	Clip : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A	Firmed -		10/29/19	25 pcs	0 pcs	25 pcs	\$6.84/pcs	\$171.00
									NOV 05 2019			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044771



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8	200588	646.3711	646.3700 Rev A	Clip : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3700 Rev. A	Firmed -		10/29/19	24 pcs	0 pcs	24 pcs	\$6.84/pcs	\$164.16
								X24				NOV 05 2019
9	200365	646.3312	646.3300 Rev A	Center Plate : Various STC's Issue P/O to ATG : Hard Anodize Color Black, Prime as per Dwg 646.3300 Rev. N/C	Firmed -		10/29/19	20 pcs	0 pcs	20 pcs	\$12.79/pcs	\$255.80
								X20				NOV 05 2019
Grand Total:											\$2,045.46	

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/28/19 8:35 AM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918863

Date: 31-Oct-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms	Ship Via
	ATG Delivery
Quantity	Description
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.
16 ea	Part: D4842-32 Rev: B Lower Cutter Body, LH Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 26316 Line: 4 PO: POHB044771 <i>Batch/Lot #: 9731-F-J19 Exp. Date: 06/20</i>
26 ea	Part: 649.4813 Rev: E Shim Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 26318 Line: 6 PO: POHB044771 <i>Batch/Lot #: 9731-F-J19 Exp. Date: 06/20</i>
25 ea	Part: 646.3712 Rev: A Clip Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 26319 Line: 7 PO: POHB044771 <i>Batch/Lot #: 9731-F-J19 Exp. Date: 06/20</i>
24 ea	Part: 646.3711 Rev: A Clip Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied),

Made in Canada.

RECEIVED

NOV 04 2019

DART AEROSPACE LTD.

DAS
68
9-89



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918863

Date: 31-Oct-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	.0006-.0009" (6- .9 mils) per drawing. Batch/Lot#: 9371-5-J1P1 Job: 26320 PO: POHB044771	Expiry Date: 06/20 Line: 8	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>OCT 31 2019</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			